2010 Air Quality Data DVD
Contents of California Air Quality Data DVD
February, 2010

Annual Criteria Pollutant Summary Data Files

YSMULTIC includes 1980-2008 yearly data for California air basins, counties, and sites by pollutant. This file also contains the California Statewide Maxima.

GASES

CARBON MONOXIDE

Variable	Units	Description
COMAX8N ^	ppm	CO - Max. 8 hour - non-overlapping (State specification)
COMXN8N ^	ppm	CO - Max. 8 hour - non-overlapping (National specification)
COEX8HST	days	CO - Count of Days exceeding Statewide 8 hr. std. (>=9.05 ppm)
COEX8HNA	days	CO - Count of Days exceeding National 8 hr. std. (>=9.5 ppm)
COEX8HLT	days	CO - Count of Days exceeding Tahoe 8 hr. std. (>=6.0 ppm)
COMAX1HR^	ppm	CO - Max. 1 hour average concentration
COXH1HST	hrs	CO - Count of Hours exceeding State 1 hr. std. (>=20.5 ppm)
COXH1HNA	hrs	CO - Count of Hours exceeding National 1 hr. std. (>=35.5 ppm)
COEX1HST	days	CO - Count of Days exceeding State 1 hr. std. (>=20.5 ppm)
COEX1HNA	days	CO - Count of Days exceeding National 1 hr. std. (>=35.5 ppm)
COEPDC8H^	ppm	CO - EPDC - 8 hour avg. (3 yr. period ends with indicated year)
COEPDC1H^	ppm	CO - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
COTP30H1^	ppm	CO - Top30_1hr - Site Mean of the Top 30 Daily Max. 1hr.
COTP30H8^	ppm	CO - Top30_8hr - Site Mean of the Top 30 Daily Max. 8hr.
COCOMPN *	days	CO - Complete Days - Number of Days satisfying completeness criteria
COHICOV *	%	CO - Coverage during typical periods of high concentration
CODSGH1 ^	ppm	CO - Designation Value - 1 hour average (State)
CODSGH8 ^	ppm	CO - Designation Value - 8 hour average (State)
COSITCM	sites	CO - Number of Sites with Complete Data (State specification)

HYDROGEN SULFIDE

Variable	Units	Description
H2SMAX1H^	ppm	H2S - Max. 1 hour average concentration
H2SXH1HS	hrs	H2S - Count of Hours exceeding State 1 hr. std. (>=.030 ppm)
H2SEX1HS	days	H2S - Count of Days exceeding State 1 hr. std. (>=.030 ppm)
H2SEPDCH^	ppm	H2S - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
H2STP30H^	ppm	H2S - Top30_1hr - Site Mean of the Top 30 Daily Max. 1 hr.
H2SCOMPN*	days	H2S - Complete Days - Number of Days satisfying completeness criteria
H2SHICOV*	%	H2S - Coverage during typical periods of high concentration
H2SSITCM	sites	H2S - Number of Sites with Complete Data (State specification)

NITROGEN DIOXIDE

Variable	Units	Description
NO2MAX1H^	ppm	NO2 - Max. 1 hour average concentration
NO2X1HSU	days	NO2 - Count of Days exceeding State 1 hr. std. (>= 0.185 ppm)
NO2AAM ^	ppm	NO2 - AAM (Annual Arithmetic Mean – National Specification)
NO2AAMS ^	ppm	NO2 – AAM (Annual Arithmetic Mean – State Specification)
NO2AAMSX^	year	NO2 – AAM State exceedances (>=0.0305 ppm)
NO2EPDCH^	ppm	NO2 - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
NO2TP30H^	ppm	NO2 - Top30_1hr - Mean of the Top 30 Daily Max. 1 hr.
NO2COMPN*	days	NO2 - Complete Days - Number of Days satisfying completeness criteria
NO2HICOV*	%	NO2 - Coverage during typical periods of high concentration
NO2DSGH1^	ppm	NO2 - Designation Value - 1 hour average (State)
NO2SITCM	sites	NO2 - Number of Sites with Complete Data (State specification)

OZONE

Variable	Units	Description
OZMAX1HR^	ppm	Ozone - Max. 1 hour average concentration
OZ4HI3YR^	ppm	Ozone - 3yr_4th_hi - 4th high daily max 1hr over 3 yrs ending with yr.
OZXH1HST	hrs	Ozone - Count of Hours exceeding State 1 hr. std. (>=.095 ppm)
OZXH1HNA	hrs	Ozone - Count of Hours exceeding National 1 hr. std. (>=.125 ppm)
OZEX1HST	days	Ozone - Count of Days exceeding State 1 hr. std. (>=.095 ppm)
OZEX1HNA	days	Ozone - Count of Days exceeding National 1 hr. std. (>=.125 ppm)
OZMAX8O ^	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
OZMX8ST ^	ppm	Ozone – Max. 8 hr. avg. – overlapping (State specification)
OZEX8HNA	days	Ozone - Count of Days exceeding National 8 hr. std. (>=.076) (overlap)
OZEX8HST	days	Ozone – Count of Days exceeding State 8 hr. std. (>=.071) (overlap)
OZ4HI8HR^	ppm	Ozone – 3yr_avg_4hi – avg. 4th high 8hr over 3 years ending with year
OZEPDC1H^	ppm	Ozone - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
OZEPDC8H^	ppm	Ozone - EPDC - 8 hr avg. overlapping (3 yr. period ends with indicated year)
OZTP30H1^	ppm	Ozone - Top30_1hr - Mean of the Top 30 Daily Max 1 hr.
OZTP30H8^	ppm	Ozone - Top30_8hr - Mean of the Top 30 Daily Max. 8 hr.
OZCOMPN *	days	Ozone - Complete Days -Number of Days satisfying completeness criteria
OZHICOV *	#	Ozone - Coverage during top 20% highest concentrations (State 1Hr)
OZHICT8S*	#	Ozone - Coverage during top 20% highest concentrations (State 8Hr)
OZHICT1N*	#	Ozone - Coverage during top 20% highest concentrations (Natl 1Hr)
OZHICT8N*	#	Ozone - Coverage during top 20% highest concentrations (Natl. 8Hr)
OZHICE8N*	#	Ozone – Coverage of Exceedances (Natl. 8Hr)
OZHICE8S*	#	Ozone – Coverage of Exceedances (State 8Hr)
OZHICE1N*	#	Ozone – Coverage of Exceedances (Natl. 1Hr)
OZHICE1S*	#	Ozone – Coverage of Exceedances (State 1Hr)
OZDSGH1 ^	ppm	Ozone - Designation Value - 1 hour average (State)
OZDSGH8 ^	ppm	Ozone – Designation Value – 8 hour average (State)
OZDSGN1 ^	ppm	Ozone – National 1-hour Design Value – valid (over three years)
OZDSGN8 ^	ppm	Ozone – National 8-hour Design Value – valid (over three years)
OZNUMSIT	sites	Ozone – Number of Sites

SULFUR DIOXIDE

Variable	Units	Description
SO2MAX1H^	ppm	SO2 - Max. 1 hour average concentration
SO2XH1HS	hrs	SO2 - Count of hours exceeding State 1 hr. std. (>=.255 ppm)
SO2EX1HS	days	SO2 - Count of Days exceeding State 1 hr. std. (>=.255 ppm)
SO2MX24S^	ppm	SO2 - Max 24 hr. - non-overlapping (State specification)
SO2NMX24^	ppm	SO2 - Max 24 hr. - non-overlapping (National)
SO2EX24S	days	SO2 - Count of Days exceeding State 24 hr. std. (>=.045 ppm)
SO2EX24N	days	SO2 - Count of Days exceeding National 24 hr. std. (>=.145 ppm)
SO2AAM ^	ppm	SO2 - AAM (Annual Arithmetic Mean)
SO2EPDCH^	ppm	SO2 - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
SO2EPDCD^	ppm	SO2 - EPDC - 24 hr. avg. (3 yr. period ends with indicated year)
SO2TP30H^	ppm	SO2 - Top30_1hr. - Mean of the Top 30 Daily Max. 1 hr.
SO2TP30D^	ppm	SO2 - Top30_24hr. - Mean of the Top 30 Daily Max. 24 hr. (State)
SO2COMPN*	days	SO2 - Complete Days - Number of Days satisfying completeness criteria
SO2HICOV*	%	SO2 - Coverage during typical periods of high concentration
SO2SITCM	sites	SO2 - Number of Sites with Complete Data (State specification)

PARTICULATES

PM10

Variable	Units	Description
PM10MX24^	ug/m3	PM10 - Max. 24 hour average concentration (State)
PM10MXMS*	mntr	PM10 – Monitor of max. 24 hr. avg. conc. (State) (1-9=A-I)
PM10X24N^	ug/m3	PM10 – Max. 24 hour average concentration (National)
PM10EXST^	days	PM10 - Sample Days exceeding State 24 hr. std. (>=50.5 ug/m3)
PM10CX1S^	days	PM10 - Calculated days exceeding State standard
PM10ANXS^	ug/m3	PM10 – Annual average (State)
PM10X3YS^	ug/m3	PM10 – Max. annual average from 3 years (State)
PM10X3S +	year	PM10 – Exceedance of the State standard (>=20.5 ug/m3) over last 3 yrs.
PM10EXNA^	days	PM10 - Sample Days above National 24 hr. std.(>=155 ug/m3)
PM10CX1N^	days	PM10 - Calculated days exceeding National standard
PM10A3YN^	ug/m3	PM10 – Annual average of quarters for 3 years (National)
PM10X3N +	year	PM10 – Exceedance of the National standard averaged over last 3 yrs.
PM10AOQ ^	ug/m3	PM10 - Average of Quarterly Means (National)
PM10EPDC^	ug/m3	PM10 - EPDC - 24 hr. avg. (3 yr. period ends with indicated year)
PM10OBS *	days	PM10 - Number of 24 hour values
PM10HICV*	#	PM10 - Coverage during top 20% highest concentrations
PM10DN24^	ug/m3	PM10 - Designation Value - 24 hour average (State)

PM2.5

Variable	Units	Description
PM25MX24^	ug/m3	PM2.5 - Max. 24 hour average concentration (State)
PM25MXMS*	mntr	PM2.5 – Monitor for Max. 24 hour avg. conc. (State) (1-9=A-I)
PM25X24N^	ug/m3	PM2.5 – Max. 24 hour average concentration (National)
PM25EXNA^	days	PM2.5 - Sample Days above Nat. 24 hr. std. level (>=35.5 ug/m3)
PM25XNAE^	days	PM2.5 – Estimated Days above the Nat. 24-hr std (>=35.5 ug/m3)
PM25P98C^	ug/m3	PM2.5 – Valid 98th percentile 24 hour average concentration (National)
PM2598PC^	ug/m3	PM2.5 – Valid 98th percentile, 3 yr. avg. ending with indicated year (24-hr National Design Value)
PM25X983^	year	PM2.5 – Exceedance of 98th percentile, 3 yr. avg. (National)
PM25AOQ ^	ug/m3	PM2.5 – Valid Average of Quarterly Means (National)
PM25AOQ3^	ug/m3	PM2.5 – Valid 3 yr. annual avg. of quarters (National Design Value)
PM25XQ3N^	year	PM2.5 – Exceedance of 3 yr. annual avg. of quarters (National)
PM25MAS ^	ug/m3	PM2.5 – Valid Annual average (State)
PM25MA3S^	ug/m3	PM2.5 – Annual average from 3 years (State)
PM25XA3S^	year	PM2.5 – Exceedance of 3 yr. max. annual avg. (State)
PM25OBS *	days	PM2.5 - Number of 24 hour national values
PM25HICV*	#	PM2.5 – Coverage during the current year compared to the top 20 % of representative National concentrations for three out of five previous years.

PMFINE

Variable	Units	Description
PMFMX24^	ug/m3	PMFINE - Max. 24 hour average concentration
PMFP98C^	ug/m3	PMFINE - 98th percentile 24 hour average concentration
PMF98PC^	ug/m3	PMFINE - 98th percentile, 3 yr. average ending with indicated year
PMFEXNA	days	PMFINE - Sample Days above old Nat. 24 hr. std. level (>=65.5 ug/m3)
PMFCX1N	days	PMFINE - Calculated days (>=65.5 ug/m3)
PMFAOQ ^	ug/m3	PMFINE - Average of Quarterly Means
PMFTP10^	ug/m3	PMFINE - Top10_24hr. - Mean of the Top 10 - 6 day period Max. 24hr.
PMFOBS *	days	PMFINE - Number of 24 hour Samples
PMFHICV*	%	PMFINE - Coverage during typical periods of high concentration
PMFSTCM	sites	PMFINE - Number of Sites with Complete Data (State specification)

* These statistics are only included in the site summary, all the other variables are common in the basin, county and site summaries.

^ All statistics displaying this symbol are represented by the highest site for both the basin and county.

\+ These statistics for PM10 show actual basinwide values, but do not provide county or California maximum values.

Top 4 Annual Criteria Pollutant Summary Data File (Maximum Values)
Top4valu includes 1980-2008 top 4 annual data for California sites and air basins by pollutant.

GASES

CARBON MONOXIDE

Variable	Units	Description
COMAX1HR^	ppm	CO - Max. 1 hour average concentration
COMAX8N ^	ppm	CO - Max. 8 hour - non-overlapping (State specification)
COMXN8N ^	ppm	CO - Max. 8 hour - non-overlapping (National specification)

HYDROGEN SULFIDE

Variable	Units	Description
H2SMAX1H^	ppm	H2S - Max. 1 hour average concentration

NITROGEN DIOXIDE

Variable	Units	Description
NO2MAX1H^	ppm	NO2 - Max. 1 hour average concentration

OZONE

Variable	Units	Description
OZMAX1HR^	ppm	Ozone - Max. 1 hour average concentration
OZMAX8O ^	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
OZMX8ST ^	ppm	Ozone – Max. 8 hr. avg. – overlapping (State specification)

SULFUR DIOXIDE

Variable	Units	Description
SO2MAX1H^	ppm	SO2 - Max. 1 hour average concentration
SO2MX24S^	ppm	SO2 - Max 24 hr. - non-overlapping (State specification)

PARTICULATES

PM10

Variable	Units	Description
PM10MX24^	ug/m3	PM10 - Max. 24 hour average concentration (State)
PM10X24N^	ug/m3	PM10 – Max. 24 hour average concentration (National)

PM2.5

Variable	Units	Description
PM25MX24^	ug/m3	PM2.5 - Max. 24 hour average concentration (State)
PM25X24N^	ug/m3	PM2.5 – Max. 24 hour average concentration (National)

PMFINE

Variable	Units	Description
PMFMX24^	ug/m3	PMFINE - Max. 24 hour average concentration

^ All statistics displaying this symbol are represented by the highest site for both the basin and county.

Monthly Criteria Pollutant Summary Data File

Ymonthly includes 1980-2008 monthly data for California sites and air basins by pollutant.

GASES

CARBON MONOXIDE

Variable	Units	Description
COMAX8N ^	ppm	CO - Max. 8 hour - non-overlapping (State specification)
COMXN8N ^	ppm	CO - Max. 8 hour - non-overlapping (National specification)
COEX8HST	days	CO - Count of Days exceeding Statewide 8 hr. std. (>=9.05 ppm)
COEX8HNA	days	CO - Count of Days exceeding National 8 hr. std. (>=9.5 ppm)
COEX8HLT	days	CO - Count of Days exceeding Tahoe 8 hr. std. (>=6.0 ppm)
COMAX1HR^	ppm	CO - Max. 1 hour average concentration
COEX1HST	days	CO - Count of Days exceeding State 1 hr. std. (>=20.5 ppm)
COEX1HNA	days	CO - Count of Days exceeding National 1 hr. std. (>=35.5 ppm)
COCOMPN *	days	CO - Complete Days - Number of Days satisfying completeness criteria
COHICOV *	%	CO - Coverage during typical periods of high concentration
COSITCM	sites	CO - Number of Sites with Complete Data (State specification)

HYDROGEN SULFIDE

Variable	Units	Description
H2SMAX1H^	ppm	H2S - Max. 1 hour average concentration
H2SEX1HS	days	H2S - Count of Days exceeding State 1 hr. std. (>=.030 ppm)
H2SCOMPN*	days	H2S - Complete Days - Number of Days satisfying completeness criteria
H2SHICOV*	%	H2S - Coverage during typical periods of high concentration
H2SSITCM	sites	H2S - Number of Sites with Complete Data (State specification)

NITROGEN DIOXIDE

Variable	Units	Description
NO2MAX1H^	ppm	NO2 - Max. 1 hour average concentration
NO2X1HSU	days	NO2 - Count of Days exceeding State 1 hr. std. (>= 0.185 ppm)
NO2COMPN*	days	NO2 - Complete Days - Number of Days satisfying completeness criteria
NO2HICOV*	%	NO2 - Coverage during typical periods of high concentration
NO2DSGH1^	ppm	NO2 - Designation Value - 1 hour average (State)
NO2SITCM	sites	NO2 - Number of Sites with Complete Data (State specification)

OZONE

Variable	Units	Description
OZMAX1HR^	ppm	Ozone - Max. 1 hour average concentration
OZEX1HST	days	Ozone - Count of Days exceeding State 1 hr. std. (>=.095 ppm)
OZEX1HNA	days	Ozone - Count of Days exceeding National 1 hr. std. (>= .125 ppm)
OZMX8ST ^	ppm	Ozone – Max. 8 hr. avg. – overlapping (State specification)
OZMAX8O ^	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
OZEX8HNA	days	Ozone - Count of Days exceeding National 8 hr. std. (>=.085) (overlap)
OZEX8HST	days	Ozone – Count of Days exceeding State 8 hr. std. (>=.071) (overlap)
OZCOMPN *	days	Ozone -Complete Days -Number of Days satisfying completeness criteria
OZHICOV *	#	Ozone - Coverage during top 20% highest concentrations (State 1Hr)
OZSITCM	sites	Ozone - Number of Sites with Complete Data (State specification)

SULFUR DIOXIDE

Variable	Units	Description
SO2MAX1H^	ppm	SO2 - Max. 1 hour average concentration
SO2EX1HS	days	SO2 - Count of Days exceeding State 1 hr. std. (>=.255 ppm)
SO2MX24S^	ppm	SO2 - Max 24 hr. - non-overlapping (State specification)
SO2EX24S	days	SO2 - Count of Days exceeding State 24 hr. std. (>=.045 ppm)
SO2COMPN*	days	SO2 - Complete Days - Number of Days satisfying completeness criteria
SO2HICOV*	%	SO2 - Coverage during typical periods of high concentration
SO2SITCM	sites	SO2 - Number of Sites with Complete Data (State specification)

PARTICULATES PMFINE

Variable	Units	Description
PMFMX24^	ug/m3	PMFINE - Max. 24 hour average concentration
PMFEXNA	days	PMFINE - Sample Days above Nat. 24 hr. std. level (>=65.5 ug/m3)
PMFOBS *	days	PMFINE - Number of 24 hour Samples
PMFHICV*	%	PMFINE - Coverage during typical periods of high concentration
PMFSTCM	sites	PMFINE - Number of Sites with Complete Data (State specification)

* These statistics are only included in the site summary, all the other variables are common in the basin, county and site summaries.

^ All statistics displaying this symbol are represented by the highest site for both the basin and county.

Annual Ozone 8-hr Planning Area Summary Data File

YSMULTP8 includes 1980-2008 yearly data for California ozone 8-hr planning areas.
This file also contains the California Statewide Maxima.

OZONE

Variable	Units	Description
OZMAX1HR^	ppm	Ozone - Max. 1 hour average concentration
OZ4HI3YR^	ppm	Ozone - 3yr_4th_hi - 4th high daily max 1hr over 3 yrs ending with yr.
OZXH1HST	hrs	Ozone - Count of Hours exceeding State 1 hr. std. (>=.095 ppm)
OZXH1HNA	hrs	Ozone - Count of Hours exceeding National 1 hr. std. (>=.125 ppm)
OZEX1HST	days	Ozone - Count of Days exceeding State 1 hr. std. (>=.095 ppm)
OZEX1HNA	days	Ozone - Count of Days exceeding National 1 hr. std. (>=.125 ppm)
OZMAX8O ^	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
OZMX8ST ^	ppm	Ozone – Max. 8 hr. avg. – overlapping (State specification)
OZEX8HNA	days	Ozone - Count of Days exceeding National 8 hr. std. (>=.085) (overlap)
OZEX8HST	days	Ozone – Count of Days exceeding State 8 hr. std. (>=.071) (overlap)
OZ4HI8HR^	ppm	Ozone – National 8-hour Design Value (representative ?) (over three years)
OZEPDC1H^	ppm	Ozone - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
OZEPDC8H^	ppm	Ozone - EPDC - 8 hr avg. overlapping (3 yr. period ends with indicated year)
OZTP30H1^	ppm	Ozone - Top30_1hr - Mean of the Top 30 Daily Max 1 hr.
OZTP30H8^	ppm	Ozone - Top30_8hr - Mean of the Top 30 Daily Max. 8 hr.
OZCOMPN *	days	Ozone - Complete Days -Number of Days satisfying completeness criteria
OZHICOV *	#	Ozone - Coverage during top 20% highest concentrations (State 1Hr)
OZHICT8S*	#	Ozone - Coverage during top 20% highest concentrations (State 8Hr)
OZHICT1N*	#	Ozone - Coverage during top 20% highest concentrations (Natl 1Hr)
OZHICT8N*	#	Ozone - Coverage during top 20% highest concentrations (Natl. 8Hr)
OZHICE8N*	#	Ozone – Coverage of Exceedances (Natl. 8Hr)
OZHICE8S*	#	Ozone – Coverage of Exceedances (State 8Hr)
OZHICE1N*	#	Ozone – Coverage of Exceedances (Natl. 1Hr)
OZHICE1S*	#	Ozone – Coverage of Exceedances (State 1Hr)
OZDSGH1 ^	ppm	Ozone - Designation Value - 1 hour average (State)
OZDSGH8 ^	ppm	Ozone – Designation Value – 8 hour average (State)
OZDSGN1 ^	ppm	Ozone – National 1-hour Design Value – valid (over three years)
OZDSGN8 ^	ppm	Ozone – National 8-hour Design Value – valid (over three years)
OZNUMSIT	sites	Ozone – Number of Sites

* These statistics are only included in the site summary, all the other variables are common in the ozone 8-hr planning area summaries.

^ All statistics displaying this symbol are represented by the highest site for the ozone 8-hr planning areas.

Top 4 Annual Ozone 8-hr Planning Area Summary Data File (Maximum Values)

T4VALPA8 includes 1980-2008 top 4 annual data for California sites and ozone 8-hr planning areas by statistic.

OZONE

Variable	Units	Description
OZMAX1HR^	ppm	Ozone - Max. 1 hour average concentration
OZMAX8O ^	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
OZMX8ST ^	ppm	Ozone – Max. 8 hr. avg. – overlapping (State specification)

^ All statistics displaying this symbol are represented by the highest site for the ozone 8-hr planning area.

Monthly Ozone 8-hr Planning Area Summary Data File

YMONTHP8 includes 1980-2008 monthly data for California sites and ozone 8-hr planning areas by statistic.

OZONE

Variable	Units	Description
OZMAX1HR^	ppm	Ozone - Max. 1 hour average concentration
OZEX1HST	days	Ozone - Count of Days exceeding State 1 hr. std. (>=.095 ppm)
OZEX1HNA	days	Ozone - Count of Days exceeding National 1 hr. std. (>=.125 ppm)
OZMX8ST ^	ppm	Ozone – Max. 8 hr. avg. – overlapping (State specification)
OZMAX8O ^	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
OZEX8HNA	days	Ozone - Count of Days exceeding National 8 hr. std. (>=.085) (overlap)
OZEX8HST	days	Ozone – Count of Days exceeding State 8 hr. std. (>=.071) (overlap)
OZCOMPN *	days	Ozone -Complete Days -Number of Days satisfying completeness criteria
OZHICOV *	#	Ozone - Coverage during top 20% highest concentrations (State 1Hr)
OZSITCM	sites	Ozone - Number of Sites with Complete Data (State specification)

* These statistics are only included in the site summary, all the other variables are common in the ozone 8-hr planning area summaries.

^ All statistics displaying this symbol are represented by the highest site for the ozone 8-hr planning areas.

Daily Gases Pollutant Summary Data Files (Sites and Air Basins - Maximum Values)
DGASxxxx, includes 1980-08 daily gas data for California sites and air basins by Pollutant. These files also contain the California Statewide Maximums.

GASES

Variable	Units	Description
CH4MAX1H^	ppmC	CH4 - Max. 1 hr.
CH4DLYAV*	ppmC	CH4 - Daily (24 hr.) average concentration
CH4RDST *		CH4 - Representative Day (State)
COMAX8N ^	ppm	CO - Max. 8 hour - non-overlapping (State specification)
COMXN8N ^	ppm	CO - Max. 8 hour - non-overlapping (National specification)
COMAX8O ^	ppm	CO - Max. 8 hr. - overlapping (State specification)
COMAX1HR^	ppm	CO - Max. 1 hour average concentration
CODLYAVG	ppm	CO - Daily (24 hr.) average concentration
CORDST *		CO – Representative Day (State)
COCST *		CO – Complete (State)
H2SMAX1H^	ppm	H2S - Max. 1 hour average concentration
H2SDLYAV*	ppm	H2S - Daily (24 hr.) average concentration
H2SRDST *		H2S - Representative Day (State)
H2SCST *		H2S - Complete (State)
NMHCMX1H^	ppmC	NMHC - Max. 1 hr.
NMHCDAVG*	ppmC	NMHC - Daily (24 hr.) average concentration
NMHCRDST*		NMHC - Representative Day (State)
NO2MAX1H^	ppm	NO2 - Max. 1 hour average concentration
NO2DLYAV*	ppm	NO2 – Daily (24 hr.) average concentration
NO2RDST *		NO2 - Representative Day (State)
NO2CST *		NO2 - Complete (State)
NOMAX1HR^	ppm	NO - Max. 1 hr.
NODLYAV *	ppm	NO – Daily (24 hr.) average concentration
NORDST *		NO – Representative Day (State)
NOXMAX1H^	ppm	NOx - Max. 1 hr.
NOXDLYAV	ppm	NOx - Daily (24 hr.) average concentration
NOXRDST *		NOx – Representative Day (State)
OZMAX1HR^	ppm	Ozone - Max. 1 hour average concentration
OZHMX1HR*	hr	Ozone – Hour of the max 1 hour
OZMAX8O ^	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
OZH1MX8O*	hr	Ozone – Start hour of the max. 8 hr. - overlapping
OZDLYAV *	ppm	Ozone - Daily (24 hr.) average concentration
OZVM8HN *		Ozone – Valid maximum 8 hr (National)
OZVD8HN *		Ozone – Valid day 8 hr. (National)
OZCN *		Ozone – Complete (National)
OZMX8ST ^	ppm	Ozone – Max. 8 hr. avg. – overlapping (State specification)
OZHMX8ST*	hr	Ozone – Start hour of the max. 8 hr. –overlapping (State)
OZVM8HST*		Ozone – Valid maximum 8 hr. (State)
OZRDST *		Ozone – Representative Day (State)
OZCST *		Ozone – Complete (State)
SO2MAX1H^	ppm	SO2 - Max. 1 hour average concentration
SO2MX24N^	ppm	SO2 - Max 24 hr. - non-overlapping (State specification)
SO2MX24O^	ppm	SO2 - Max. 24 hr. - overlapping (State specification)
SO2DLYAV*	ppm	SO2 – Daily (24hr.) average concentration
SO2RDST *		SO2 - Representative Day (State)
SO2CST *		SO2 – Complete (State)
SULFURMX^	ppm	Sulfur - Max. 1 hr.
THCMAX1H^	ppmC	THC - Max. 1 hr.
THCDLYAV*	ppmC	THC - Daily (24hr.) average concentration
THCRDST *		THC - Representative Day (State)
TRSMAX1H^	ppm	TRS - Max. 1 hr.

* These statistics are only included in the site summary, all the other variables are common in the basin and site summaries.

^ All statistics displaying this symbol are represented by the highest site for the basin.

Daily Ozone 8-hr Planning Area Summary Data Files (Sites and 8-hr Planning Areas - Maximum Values)
DLYOZPA8, includes 1980-08 daily gas data for California sites and ozone 8-hr planning areas by statistic. This file also contains the California Statewide Maximums.

GASES

Variable	Units	Description
OZMAX1HR^	ppm	Ozone - Max. 1 hour average concentration
OZHMX1HR*	hr	Ozone – Hour of the max 1 hour
OZMAX8O ^	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
OZH1MX8O*	hr	Ozone – Start hour of the max. 8 hr. - overlapping
OZDLYAV *	ppm	Ozone - Daily (24 hr.) average concentration
OZVM8HN *		Ozone – Valid maximum 8 hr (National)
OZVD8HN *		Ozone – Valid day 8 hr. (National)
OZCN *		Ozone – Complete (National)
OZMX8ST ^	ppm	Ozone – Max. 8 hr. avg. – overlapping (State specification)
OZHMX8ST*	hr	Ozone – Start hour of the max. 8 hr. –overlapping (State)
OZVM8HST*		Ozone – Valid maximum 8 hr. (State)
OZRDST *		Ozone – Representative Day (State)
OZCST *		Ozone – Complete (State)

Daily Particulate Matter Files (Sites and Air Basins - Maximum Values)

DLYPMx, includes 1980-2008 daily particulates for California sites and air basins by pollutant. These files, which are split into three groups 1980-1989, 1990-1999, 2000-2008 also contain the California Statewide Maximums.

PARTICULATES

Variable	Units	Description
PM10NH4	ug/m3	Ammonium (PM10)
PM10CL	ug/m3	Chloride (PM10)
COHAV24	COH	COH - Daily average
COHMX2H	COH	COH - Max. 2 hr.
PM10PB	ug/m3	Lead (PM10)
TSPPB	ug/m3	Lead (TSP)
LTSCAV24	bscat	LTSC - Daily average
LTSCMX1H	bscat	LTSC - Max. 1 hr.
PM10NO3	ug/m3	Nitrate (PM10)
TSPNO3	ug/m3	Nitrate (TSP)
PM10DICH	ug/m3	PM10DICH - Total Mass, from the dichotomous sampler
PMCRS	ug/m3	PMCRS - Coarse fraction (2.5 - 10u), from the dichotomous sampler
PMFINE	ug/m3	PMFINE - Fine fraction (0 - 2.5u), from the dichotomous sampler
PM10K	ug/m3	Potassium (PM10)
PM10SO4	ug/m3	Sulfate (PM10)
TSPSO4	ug/m3	Sulfate (TSP)
PM10TOTC	ug/m3	Total Carbon (PM10)
TSP	ug/m3	Total Suspended Particulates

Daily Particulate Matter File (Monitor-based Sites)

PM25Daily, includes 1998-2008 daily particulates for California sites (monitors 1-12) by pollutant (available in comma-delimited format). This file was produced from a combination of 24-hr. filter-based PM2.5 FRM (Federal Reference Method) monitoring data, which are both California and Nationally approved methods, and both 24-hr. filter-based PM2.5 non-FRM and fine Dichot monitoring data, which are neither California nor Nationally approved methods. This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with “0” being no and “1” being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
PM25	ug/m3	PM2.5 – (0-2.5u)

Daily Particulate Matter File (Monitor-based Sites)

PM25Hourlydailyavgs, includes 1999-2008 daily averages of hourly particulate data for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file was produced from BAM-based hourly PM2.5 monitoring data. This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with “0” being no and “1” being yes. The collection and quantification methods are included. The validity fields, which are included, indicate whether or not the daily average includes sufficient hourly data to be considered valid in national and state contexts (1 is valid, 0 is not valid).

PARTICULATES

Variable	Units	Description
PM25Hrdailyavg	ug/m3	PM2.5 – (0-2.5u) – (24 hr. average)

Daily Particulate Matter File (Monitor-based Sites – Local Conditions)

PM10localDaily, includes 1997-2008 daily particulates for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file was produced from a combination of PM10 SSI (Size Selective Inlet) and TEOM-based hourly PM10 (reported as 24-hour averages) monitoring data at local conditions. This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
PM10	ug/m3	PM10 - Total Mass (24 hr. value)

Daily Particulate Matter File (Monitor-based Sites – Local Conditions)

PM10localHourlyDailyAvgs, includes 2003-08 daily averages of hourly particulate data for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file was produced from BAM-based hourly PM10 monitoring data at local conditions. This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are included. The validity fields, which are included, indicate whether or not the daily average includes sufficient hourly data to be considered valid in national and state contexts (1 is valid, 0 is not valid).

PARTICULATES

Variable	Units	Description
PM10localHRdailyavg	ug/m3	PM10 - Total Mass – (24 hr. average)

Daily Particulate Matter File (Monitor-based Sites – Standard Conditions)

PM10stdDaily, includes 1983-2008 daily particulates for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file was produced a combination of PM10 SSI (Size Selective Inlet) and TEOM-based hourly PM10 (reported as 24-hour averages) monitoring data at standard conditions. This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
PM10	ug/m3	PM10 - Total Mass (24 hr. value)

Daily Particulate Matter File (Monitor-based Sites – Standard Conditions)

PM10stdHourlyDailyAvgs, includes 1993-2008 daily averages of hourly particulate data for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file was produced from a combination of BAM-based and TEOM-based hourly PM10 monitoring data at standard conditions. This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are included. The validity fields, which are included, indicate whether or not the daily average includes sufficient hourly data to be considered valid in national and state contexts (1 is valid, 0 is not valid).

PARTICULATES

Variable	Units	Description
PM10stdHRdailyavg	ug/m3	PM10 - Total Mass – (24 hr. average)

Daily Particulate Matter - Dichot File (Sites and Air Basin Values)

DLYDCH includes 1988-2001 Dichot raw data by site and air basin for constituents and mass in standard conditions. These files also contain the California Statewide Maximums. See Appendix A.

Daily Particulate Matter – Dichot File (Monitor-based Sites – Standard Conditions)

DichotFineStd includes 1988-2001 daily Dichot data (fine mass) for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
DichotFineStd	ug/m3	Dichot - Fine Mass (24 hr. value)

Daily Particulate Matter – Dichot File (Monitor-based Sites – Local Conditions)

DichotFineLocal includes 1998-2001 daily Dichot data (fine mass) for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
DichotFineLocal	ug/m3	Dichot - Fine Mass (24 hr. value)

Daily Particulate Matter – Dichot File (Monitor-based Sites – Standard Conditions)

DichotTotalStd includes 1988-2001 daily Dichot data (total mass) for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
DichotTotalStd	ug/m3	Dichot - Total Mass (24 hr. value)

Daily Particulate Matter – Dichot File (Monitor-based Sites – Local Conditions)

DichotTotalLocal includes 1998-2001 daily Dichot data (total mass) for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
DichotTotalLocal	ug/m3	Dichot - Total Mass (24 hr. value)

Daily PM2.5 Speciation Pollutants Site File (Sites Values)

PM25 Speciation Data through 12_31_2008.xls in the directory \PM25_Speciated\ contains data for 2000-2008. See Appendix D.

Daily Toxics Pollutants Site File (Sites Values)

DLYTOXIC contains 1990-2008 toxics raw data by monitoring site.
This file also contains the California Statewide Maximums. See Appendix C.

Daily (24-hour) - NMOC Site File (South Coast Air Basin Site Values)

NMOC24 contains 1994-2008 24-hour NMOC site data by pollutant by year. See Appendix B. These data are in comma-delimited format in the directory \Fix_Form\Daily\.

Annual Toxics Pollutant Site File (Sites Values)

YTOXICS.dbf contains 1990-2008 annual summary statistics, as shown below, for the toxics data by monitoring site and statewide.

Average Concentration,
Mean of Monthly Means,
Number of Samples,
Valid Months,
Standard Deviation,
Maximum,
90th Percentile,
75th Percentile,
Median,
25th Percentile,
10th Percentile,
Minimum, and
Estimated Risk.

Hourly - Pollutant Site Files (Sites Values)

1980-2008 hourly site data by pollutant by year for Gases.

Filename	Variable	Units	Description
CO	CO1HR	ppm	Carbon Monoxide (CO) - hourly measurements
NOX	NOX1HR	ppm	Oxides of Nitrogen (NOx) - hourly measurements
NO	NO1HR	ppm	Nitric Oxide (NO) - hourly measurements
NO2	NO21HR	ppm	Nitrogen Dioxide (NO2) - hourly measurements
NMHC	NMHC1HR	ppmC	Non-Methane Hydrocarbons (NMHC) - hourly measurements
OZONE	OZ1HR	ppm	Ozone - hourly measurements
CH4	CH41HR	ppmC	Methane (CH4) - hourly measurements
THC	THC1HR	ppmC	Total Hydrocarbons (THC) - hourly measurements
SO2	SO21HR	ppm	Sulfur Dioxide (SO2) - hourly measurements
H2S	H2S1HR	ppm	Hydrogen Sulfide (H2S) - hourly measurements

Hourly - Pollutant Site Files (Sites Values)

1980-2008 hourly site data by pollutant by year for Particulates.

Filename	Variable	Units	Description
LTSC	LTSC1HR	bscat	Light Scatter (LTSC) - hourly measurements
COH	COH2HR	COH	Coefficient of Haze (COH) -Soiling Index (COH/1000 ft.) - 2 hr. meas.

Hourly Particulate Matter File (Monitor-based Sites)

PM25Hourly, includes 1999-2008 hourly particulates for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file was produced from BAM-based hourly PM2.5 monitoring data. This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
PM25HR	ug/m3	PM2.5 – (0-2.5u) – hourly measurements

Hourly Particulate Matter File (Monitor-based Sites – Standard Conditions)

PM10stdHourly, includes 1993-2008 hourly particulates for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file was produced from a combination of BAM-based and TEOM-based hourly PM10 monitoring data at standard conditions. This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
PM10stdHR	ug/m3	PM10 - Total Mass - hourly measurements

Hourly Particulate Matter File (Monitor-based Sites – Local Conditions)

PM10localHourly, includes 2003-08 hourly particulates for California sites (monitors 1-9) by pollutant (available in comma-delimited format). This file was produced from BAM-based hourly PM10 monitoring data at local conditions. This file contains two flag fields (AppliesToNatl and AppliesToSt) which mark an observation as being applicable in national and state contexts, with "0" being no and "1" being yes. The collection and quantification methods are also included.

PARTICULATES

Variable	Units	Description
PM10localHR	ug/m3	PM10 - Total Mass - hourly measurements

Hourly (3 hour) - NMOC Site File (Site Values)

HRNMOC contains 1994-2008 3-hour NMOC site data by pollutant by year. See Appendix B.

Miscellaneous Data Files

There are a number of other miscellaneous data files on the CD. See Appendix F.

APPENDIX A

Daily Particulate Matter - Dichot File (Sites and Air Basin Values)
DLYDCH includes 1988-2001 Dichot raw data by site and air basin for constituents and mass in standard conditions. These files also contain the California Statewide Maximums.

DICHOT

FINE (0-2.5u)

Variable	Units	Description
PMFINE	ug/m3	PMFINE - Fine fraction (0 - 2.5u), from the dichotomous sampler
FAL	ng/m3	Aluminum Fine Dichot Fraction
FSI	ng/m3	Silicon Fine Dichot Fraction
FP	ng/m3	Phosphorus Fine Dichot Fraction
FS	ng/m3	Sulfur Fine Dichot Fraction
FCL	ng/m3	Chlorine Fine Dichot Fraction
FK	ng/m3	Potassium Fine Dichot Fraction
FCA	ng/m3	Calcium Fine Dichot Fraction
FTI	ng/m3	Titanium Fine Dichot Fraction
FV	ng/m3	Vanadium Fine Dichot Fraction
FCR	ng/m3	Chromium Fine Dichot Fraction
FMN	ng/m3	Manganese Fine Dichot Fraction
FFE	ng/m3	Iron Fine Dichot Fraction
FCO	ng/m3	Cobalt Fine Dichot Fraction
FNI	ng/m3	Nickel Fine Dichot Fraction
FCU	ng/m3	Copper Fine Dichot Fraction
FZN	ng/m3	Zinc Fine Dichot Fraction
FAS	ng/m3	Arsenic Fine Dichot Fraction
FSE	ng/m3	Selenium Fine Dichot Fraction
FBR	ng/m3	Bromine Fine Dichot Fraction
FRB	ng/m3	Rubidium Fine Dichot Fraction
FSR	ng/m3	Strontium Fine Dichot Fraction
FY	ng/m3	Yttrium Fine Dichot Fraction
FZR	ng/m3	Zirconium Fine Dichot Fraction
FMO	ng/m3	Molybdenum Fine Dichot Fraction
FCD	ng/m3	Cadmium Fine Dichot Fraction
FSN	ng/m3	Tin Fine Dichot Fraction
FSB	ng/m3	Antimony Fine Dichot Fraction
FBA	ng/m3	Barium Fine Dichot Fraction
FHG	ng/m3	Mercury Fine Dichot Fraction
FPB	ng/m3	Lead Fine Dichot Fraction
FU	ng/m3	Uranium Fine Dichot Fraction

COARSE (2.5-10u)

Variable	Units	Description
PMCRS	ug/m3	PMCRS - Coarse fraction (2.5 - 10u), from the dichotomous sampler
CAL	ng/m3	Aluminum Coarse Dichot Fraction
CSI	ng/m3	Silicon Coarse Dichot Fraction
CP	ng/m3	Phosphorus Coarse Dichot Fraction
CS	ng/m3	Sulfur Coarse Dichot Fraction
CCL	ng/m3	Chlorine Coarse Dichot Fraction
CK	ng/m3	Potassium Coarse Dichot Fraction
CCA	ng/m3	Calcium Coarse Dichot Fraction
CTI	ng/m3	Titanium Coarse Dichot Fraction
CV	ng/m3	Vanadium Coarse Dichot Fraction
CCR	ng/m3	Chromium Coarse Dichot Fraction

COARSE (2.5-10u)

Variable	Units	Description
CMN	ng/m3	Manganese Coarse Dichot Fraction
CFE	ng/m3	Iron Coarse Dichot Fraction
CCO	ng/m3	Cobalt Coarse Dichot Fraction
CNI	ng/m3	Nickel Coarse Dichot Fraction
CCU	ng/m3	Copper Coarse Dichot Fraction
CZN	ng/m3	Zinc Coarse Dichot Fraction
CAS	ng/m3	Arsenic Coarse Dichot Fraction
CSE	ng/m3	Selenium Coarse Dichot Fraction
CBR	ng/m3	Bromine Coarse Dichot Fraction
CRB	ng/m3	Rubidium Coarse Dichot Fraction
CSR	ng/m3	Strontium Coarse Dichot Fraction
CY	ng/m3	Yttrium Coarse Dichot Fraction
CZR	ng/m3	Zirconium Coarse Dichot Fraction
CMO	ng/m3	Molybdenum Coarse Dichot Fraction
CCD	ng/m3	Cadmium Coarse Dichot Fraction
CSN	ng/m3	Tin Coarse Dichot Fraction
CSB	ng/m3	Antimony Coarse Dichot Fraction
CBA	ng/m3	Barium Coarse Dichot Fraction
CHG	ng/m3	Mercury Coarse Dichot Fraction
CPB	ng/m3	Lead Coarse Dichot Fraction
CU	ng/m3	Uranium Coarse Dichot Fraction

TOTAL (0-10u)

Variable	Units	Description
PM10DICH	ug/m3	PM10DICH - Total Mass, from the dichotomous sampler
TAL	ng/m3	Aluminum - Total Dichot
TSI	ng/m3	Silicon - Total Dichot
TP	ng/m3	Phosphorus - Total Dichot
TS	ng/m3	Sulfur - Total Dichot
TCL	ng/m3	Chlorine - Total Dichot
TK	ng/m3	Potassium - Total Dichot
TCA	ng/m3	Calcium - Total Dichot
TTI	ng/m3	Titanium - Total Dichot
TV	ng/m3	Vanadium - Total Dichot
TCR	ng/m3	Chromium - Total Dichot
TMN	ng/m3	Manganese - Total Dichot
TFE	ng/m3	Iron - Total Dichot
TCO	ng/m3	Cobalt - Total Dichot
TNI	ng/m3	Nickel - Total Dichot
TCU	ng/m3	Copper - Total Dichot
TZN	ng/m3	Zinc - Total Dichot
TAS	ng/m3	Arsenic - Total Dichot
TSE	ng/m3	Selenium - Total Dichot
TBR	ng/m3	Bromine - Total Dichot
TRB	ng/m3	Rubidium - Total Dichot
TSR	ng/m3	Strontium - Total Dichot
TY	ng/m3	Yttrium - Total Dichot
TZR	ng/m3	Zirconium - Total Dichot
TMO	ng/m3	Molybdenum - Total Dichot
TCD	ng/m3	Cadmium - Total Dichot
TSN	ng/m3	Tin - Total Dichot
TSB	ng/m3	Antimony - Total Dichot
TBA	ng/m3	Barium - Total Dichot
THG	ng/m3	Mercury - Total Dichot
TPB	ng/m3	Lead - Total Dichot
TU	ng/m3	Uranium - Total Dichot

APPENDIX B

Hourly (3 hour and 24-hour) - NMOC Site Files (Site Values)

HRNMOC and NMOC24 contain 1994-2008 3-hour and 24-hour NMOC site data by pollutant by year, respectively.

NMOC Variable	Units	ALKANE Description
V2MHXA	ppbC	2-Methylhexane
V3MPNA	ppbC	3-Methylpentane
VNPNTA	ppbC	n-Pentane
V2MHEP	ppbC	2-Methylheptane
V4MEHE	ppbC	4-Methylheptane
V223TM	ppbC	2,2,3-Trimethylbutane
V33DMPNT	ppbC	3,3-Dimethylpentane
V234TM	ppbC	2,3,4-Trimethylpentane
V224TM	ppbC	2,2,4-Trimethylpentane
V3MHEP	ppbC	3-Methylheptane
VCOEL003	ppbC	Methylcyclopentane and 2,4-Dimethylpentane
V2MPNA	ppbC	2-Methylpentane
VNBUTA	ppbC	n-Butane
VCYPNA	ppbC	Cyclopentane
V24DMHEX	ppbC	2,4-Dimethylhexane
VT13DM	ppbC	trans-1,3-Dimethylcyclopentane
V3MHXA	ppbC	3-Methylhexane
VMCYHX	ppbC	Methylcyclohexane
VNDODECA	ppbC	n-Dodecane
V22DMPNT	ppbC	2,2-Dimethylpentane
V23DMHPT	ppbC	2,3-Dimethylheptane
VCPROPAN	ppbC	Cyclopropane
VNUNDC	ppbC	n-Undecane
V22STMHX	ppbC	2,2,5-Trimethylhexane
VCOEL006	ppbC	Cyclohexane and 2-Methylhexane
V23DMHEX	ppbC	2,3-Dimethylhexane
VISBTA	ppbC	Isobutane
VNNON	ppbC	n-Nonane
VNDEC	ppbC	n-Decane
V24DMHPT	ppbC	2,4-Dimethylheptane
V25DMHEX	ppbC	2,5-Dimethylhexane
VCYHXA	ppbC	Cyclohexane
V22DMB	ppbC	2,2-Dimethylbutane
VMCPNA	ppbC	Methylcyclopentane
V22DMHEX	ppbC	2,2-Dimethylhexane
VPROPA	ppbC	Propane
VC13DM	ppbC	cis-1,3-Dimethylcyclopentane
VNHEXA	ppbC	n-Hexane
VNOCT	ppbC	n-Octane
V3MOCTAN	ppbC	3-Methyloctane
V23DMP	ppbC	2,3-Dimethylpentane
VISPNA	ppbC	2-Methylbutane
V35DMHPT	ppbC	3,5-Dimethylheptane
V3MNONAN	ppbC	3-Methylnonane
VETHAN	ppbC	Ethane
V23DMB	ppbC	2,3-Dimethylbutane
V22DMPRO	ppbC	2,2-Dimethylpropane
V24DMP	ppbC	2,4-Dimethylpentane
VNHEPT	ppbC	n-Heptane
V4MOCTAN	ppbC	4-Methyloctane
V3ETHEXA	ppbC	3-Ethylhexane

ALKENE

Variable	Units	Description
VAPINE	ppbC	alpha-Pinene
VT2BTE	ppbC	trans-2-Butene
V3HEXENE	ppbC	3-Hexene
V2M1PE	ppbC	2-Methyl-1-pentene
VBPINE	ppbC	beta-Pinene
VC2HEX	ppbC	cis-2-Hexene
V4MHEXEN	ppbC	4-Methylhexene
VT3M2PNT	ppbC	trans-3-Methyl-2-pentene
VT2OCTEN	ppbC	trans-2-Octene
V3M1BE	ppbC	3-Methyl-1-butene
VMCPENTE	ppbC	Methylcyclopentene
VC2PNE	ppbC	cis-2-Pentene
VCOEL005	ppbC	1-Hexene and 2-Ethylpentene
VPRPYL	ppbC	Propene
VC2BTE	ppbC	cis-2-Butene
V1PNTE	ppbC	1-Pentene
VCYPNE	ppbC	Cyclopentene
VT2HEX	ppbC	trans-2-Hexene
VISOBUTE	ppbC	Isobutene
VCHEXENE	ppbC	Cyclohexene
V2M1BUTE	ppbC	2-Methyl-1-butene
V1HEXENE	ppbC	1-Hexene
VISPRE	ppbC	Isoprene
VETHYL	ppbC	Ethene
VHEPTENE	ppbC	Heptene
VT2PNE	ppbC	trans-2-Pentene
V13BUD	ppbC	1,3-Butadiene
V1BUTE	ppbC	1-Butene
V1NONENE	ppbC	1-Nonene
V2M2BE	ppbC	2-Methyl-2-butene
VCOEL009	ppbC	2-Methylpropene and 1-Butene
VCOEL010	ppbC	4-Methylpentene and 3-Methylpentene
V4M1PE	ppbC	4-Methyl-1-pentene
V235TMHX	ppbC	2,3,5-Trimethylhexane
V2M2HEXE	ppbC	2-Methyl-2-hexene
V224TM2P	ppbC	2,4,4-Trimethyl-2-pentene
V1OCTENE	ppbC	1-Octene
V4M2PNTE	ppbC	4-Methyl-t-2-pentene
VC3M2PNT	ppbC	cis-3-Methyl-2-pentene
VCOEL012	ppbC	Octene and 3-Methylheptene
VC2OCTEN	ppbC	cis-2-Octene

ALKYNE

Variable	Units	Description
V1BUTYNE	ppbC	1-Butyne
VPROPYNE	ppbC	Propyne
VACETE	ppbC	Ethyne
V2BUTYNE	ppbC	2-Butyne

AROMATIC

Variable	Units	Description
VMDEB	ppbC	m-Diethylbenzene
VCPROPBZ	ppbC	Cyclopropylbenzene
VNPBZ	ppbC	n-Propylbenzene
VSECBUTB	ppbC	sec-Butylbenzene
VMPXY	ppbC	m/p-Xylene
VOXYL	ppbC	o-Xylene
VOETOL	ppbC	o-Ethyltoluene
VBZ	ppbC	Benzene
VPDEB	ppbC	p-Diethylbenzene
VEBENZ	ppbC	Ethylbenzene
V124TB	ppbC	1,2,4-Trimethylbenzene
VMXYL	ppbC	m-Xylene
VISPBZ	ppbC	Isopropylbenzene
VPETOL	ppbC	p-Ethyltoluene
V135TB	ppbC	1,3,5-Trimethylbenzene
VMETOL	ppbC	m-Ethyltoluene
V4ETOL	ppbC	4-Ethyltoluene
VPXYL	ppbC	p-Xylene
VSTYR	ppbC	Styrene
VTOLU	ppbC	Toluene
VCOEL011	ppbC	m-Ethyltoluene and p-Ethyltoluene
V123TB	ppbC	1,2,3-Trimethylbenzene

CARBONYL

Variable	Units	Description
VACET	ppbC	Acetone
VBZALDHY	ppbC	Benzaldehyde
VFORM	ppbC	Formaldehyde
VMTBE	ppbC	Methyl tert-Butyl Ether
VACETA	ppbC	Acetaldehyde
VMTETN	ppbC	Methyl Ethyl Ketone

MIXTURE

Variable	Units	Description
VCOEL001	ppbC	Methylcyclohexene and 2-Methylheptane
VCOEL002	ppbC	cis-2-Pentene and 2-Methylpentane
VCOEL004	ppbC	o-Ethyltoluene and Decene
VCOEL007	ppbC	o-Xylene and Nonane
VCOEL008	ppbC	Ethyne and Ethane
VCOEL013	ppbC	n-Decane and 1,2,4-Trimethylbenzene

TOTALS

Variable	Units	Description
VSUMPKS	ppbC	Sum of peaks
VPAMHC	ppbC	Sum of PAMS target compounds
VTNMOC	ppbC	Total NMOC
VTHC	ppbC	Total hydrocarbons

APPENDIX C

Daily Toxics Pollutants Site File (Sites Values)

DLYTOXIC contains 1990-2008 toxics raw data by monitoring site.

This file also contains the California Statewide Maximums.

GASES

Variable	Units	Description
BUTA	ppbV	1,3-Butadiene
ACCHO	ppbV	Acetaldehyde
DMK	ppbV	Acetone
CH3CN	ppbV	Acetonitrile
ACRO	ppbV	Acrolein
ACRY	ppbV	Acrylonitrile
BENZ	ppbV	Benzene
CS2	ppbV	Carbon Disulfide
CCL4	ppbV	Carbon Tetrachloride
CBZ	ppbV	Chlorobenzene
CHCL3	ppbV	Chloroform
CDCP	ppbV	cis-1,3-Dichloropropene
EBZ	ppbV	Ethyl Benzene
EDB	ppbV	Ethylene Dibromide
EDC	ppbV	Ethylene Dichloride
HCHO	ppbV	Formaldehyde
MDCB	ppbV	meta-Dichlorobenzene
MXYL	ppbV	meta-Xylene
MPXYL	ppbV	meta/para-Xylene
MBR	ppbV	Methyl Bromide
TCEA	ppbV	Methyl Chloroform
MEK	ppbV	Methyl Ethyl Ketone
MTBE	ppbV	Methyl Tertiary-Butyl Ether
DCM	ppbV	Methylene Chloride
ODCB	ppbV	ortho-Dichlorobenzene
OXYL	ppbV	ortho-Xylene
PDCB	ppbV	para-Dichlorobenzene
PXYL	ppbV	para-Xylene
PERC	ppbV	Perchloroethylene
STYR	ppbV	Styrene
TOLU	ppbV	Toluene
TDCP	ppbV	trans-1,3-Dichloropropene
TCE	ppbV	Trichloroethylene

PARTICULATES

Variable	Units	Description
AL	ng/m3	Aluminum
SB	ng/m3	Antimony
AS	ng/m3	Arsenic
BA	ng/m3	Barium
BAP10	ng/m3	Benzo(a)pyrene
BBF10	ng/m3	Benzo(b)fluoranthene
BGP10	ng/m3	Benzo(g,h,i)perylene
BKF10	ng/m3	Benzo(k)fluoranthene
BE	ng/m3	Beryllium
BR	ng/m3	Bromine
CD	ng/m3	Cadmium
CA	ng/m3	Calcium
CL	ng/m3	Chlorine
CR	ng/m3	Chromium

PARTICULATES

Variable	Units	Description
CO	ng/m3	Cobalt
CU	ng/m3	Copper
DBA10	ng/m3	Dibenz(a,h)anthracene
CR6	ng/m3	Hexavalent Chromium
IDP10	ng/m3	Indeno(1,2,3-cd)pyrene
FE	ng/m3	Iron
PB	ng/m3	Lead
MN	ng/m3	Manganese
HG	ng/m3	Mercury
MO	ng/m3	Molybdenum
NI	ng/m3	Nickel
P	ng/m3	Phosphorus
K	ng/m3	Potassium
RB	ng/m3	Rubidium
SE	ng/m3	Selenium
SI	ng/m3	Silicon
SR	ng/m3	Strontium
S	ng/m3	Sulfur
SN	ng/m3	Tin
TI	ng/m3	Titanium
U	ng/m3	Uranium
V	ng/m3	Vanadium
Y	ng/m3	Yttrium
ZN	ng/m3	Zinc
ZR	ng/m3	Zirconium

CRITERIA POLLUTANTS

Variable	Units	Description
CODLYAVG	ppm	CO - Daily (24 hr.) average concentration
NOXDLYAV	ppm	NOx - Daily (24 hr.) average concentration

APPENDIX D

Daily PM2.5 Speciation Pollutants Site File (Sites Values)

PM25 Speciation Data through 12_31_2008.xls contains data for 2000-2008

The units are in ug/m3.

Variable

PM2.5 Speciation Mass
OC Chemical Speciation Network NIOSH Method Unadjusted PM2.5 LC Thermal/Optical Transmittance (TOT)
EC Chemical Speciation Network NIOSH Method PM2.5 LC Thermal/Optical Transmittance (TOT)
Nitrate (NO3-)
Sulfate (SO42-)
Ammonium (NH4+)
Soluble Potassium (K+)
Soluble Sodium (NA+)
Aluminum (Al)
Antimony (Sb)
Arsenic (As)
Barium (Ba)
Bromine (Br)
Cadmium (Cd)
Calcium (Ca)
Cerium (Ce)
Cesium (Cs)
Chlorine (Cl)
Chromium (Cr)
Cobalt (Co)
Copper (Cu)
Europium (Eu)
Gallium (Ga)
Gold (Au)
Hafnium (Hf)
Indium (In)
Iridium (Ir)
Iron (Fe)
Lanthanum (La)
Lead (Pb)
Magnesium (Mg)
Manganese (Mn)
Mercury (Hg)
Molybdenum (Mo)
Nickel (Ni)
Niobium (Nb)
Phosphorus (P)
Potassium (K)
Rubidium (Rb)
Samarium (Sm)
Scandium (Sc)
Selenium (Se)
Silicon (Si)
Silver (Ag)
Sodium (Na)
Strontium (Sr)
Sulfur (S)
Tantalum (Ta)
Terbium
Tin (Sn)
Titanium (Ti)
Tungsten
Vanadium (V)
Yttrium (Y)
Zinc (Zn)
Zirconium (Zr)
EC Chemical Speciation Network_REV URG Unadjusted PM2.5 LC Thermal/Optical Reflectance (TOR)
(EC1+EC2+EC3-(OP(Thermal/Optical Reflectance (TOR))))
EC Chemical Speciation Network_REV URG Unadjusted PM2.5 LC Thermal/Optical Transmittance (TOT)
(EC1+EC2+EC3-(OP(Thermal/Optical Transmittance (TOT))))
EC1 URG IMPROVE_A Unadjusted PM2.5 LC

Variable
EC2 URG IMPROVE_A Unadjusted PM2.5 LC
EC3 URG IMPROVE_A Unadjusted PM2.5 LC
OC Chemical Speciation Network_REV URG Unadjusted LC Thermal/Optical Reflectance (TOR)
(OC1+OC2+OC3+OC4+(OP(Thermal/Optical Reflectance (TOR))))
OC Chemical Speciation Network_REV URG Unadjusted PM2.5 LC Thermal/Optical Transmittance (TOT)
(OC1+OC2+OC3+OC4+(OP(Thermal/Optical Transmittance (TOT))))
OC1 Chemical Speciation Network_REV IMPROVE _A URG Unadjusted PM2.5 LC
OC2 Chemical Speciation Network_REV IMPROVE _A URG Unadjusted PM2.5 LC
OC3 Chemical Speciation Network_REV IMPROVE _A URG Unadjusted PM2.5 LC
OC4 Chemical Speciation Network_ REV IMPROVE _A URG Unadjusted PM2.5 LC
OP (Pyrolyzed Organic Carbon) Chemical Speciation Network_REV IMPROVE _A URG Unadjusted PM2.5 LC
Thermal/Optical Reflectance (TOR)
OP (Pyrolyzed Organic Carbon) Chemical Speciation Network_REV IMPROVE _A URG Unadjusted PM2.5 LC
Thermal/Optical Transmittance (TOT)
Galactosan
Levoglucosan
Mannosan
PK1 OC NIOSH Method PM2.5 LC Thermal/Optical Transmittance (TOT)
PK2 OC NIOSH Method PM2.5 LC Thermal/Optical Transmittance (TOT)
PK3 OC NIOSH Method PM2.5 LC Thermal/Optical Transmittance (TOT)
PK4 OC NIOSH Method PM2.5 LC Thermal/Optical Transmittance (TOT)
Pyrolyzed Carbon NIOSH Method PM2.5 LC Thermal/Optical Transmittance (TOT)

Appendix E

Miscellaneous Files

A number of miscellaneous data files are included on the DVD. File descriptions for them are as follows:

COMPOUND - Information on Toxics Compounds

Field Name	Type	Width	Description
COMPOUND	Character	5	Compound Code
CMPND_NAME	Character	22	Compound Name
UNITS	Character	5	Units
HEADING	Character	20	Heading
DECIMALS_R	Character	1	Decimals Used in Reports

LOCATION - Information on Monitoring Locations

Field Name	Type	Width	Description
LOCATION	Character	4	Location Code
SITE	Numeric	4	ADAM Site Code
SITE_NAME	Character	40	Site Name
SHORT_NAME	Character	12	Short Name
AIRS_SITE	Character	9	AIRS Site ID Code
AQD_SITE	Character	7	AQD System Site ID Code
COUNTY	Numeric	2	County Code
COUNTYABBR	Character	3	County Abbreviation
COUNTYNAME	Character	15	County Name
BASIN	Character	3	Air Basin Code
BASIN_NAME	Character	22	Air Basin Name
DISTRICT	Character	3	AQMD or APCD District Code
DIST_NAME	Character	32	District Name
PA8	Character	4	Ozone 8-hr Planning Area Code
PA8_NAME	Character	50	Ozone 8-hr Planning Area Name
STATE	Character	2	State Code
MSA	Numeric	4	Metropolitan Statistical Area Code
MSA_NAME	Character	38	MSA Name
AQCR	Numeric	3	Air Quality Control Region
URBAN_AREA	Numeric	4	AIRS Urban Area Code
CITY	Numeric	5	AIRS City Code
ADDRESS	Character	60	Address
ZIP_CODE	Numeric	5	Zip Code
LAT_DEGREE	Numeric	2	Latitude - Degrees
LAT_MINUTE	Numeric	2	Latitude - Minutes
LAT_SECOND	Numeric	5	Latitude - Seconds
LATITUDE	Numeric	9	Latitude
LONGDEGREE	Numeric	4	Longitude - Degrees
LONGMINUTE	Numeric	2	Longitude - Minutes
LONGSECOND	Numeric	5	Longitude - Seconds
LONGITUDE	Numeric	11	Longitude
UTM_ZONE	Character	2	UTM Zone
UTM_NORTH	Numeric	9	UTM Northing Coordinate
UTM_EAST	Numeric	10	UTM Easting Coordinate
ELEVATION	Numeric	8	Elevation
SUMMARYLVL	Character	1	Summary Level Code (S,B,C,)

VARIABLE - Information on Variables

Field Name	Type	Width	Description
VARIABLE	Character	8	Variable Code
SHORT_DESC	Character	30	Short Description
UNITS	Character	5	Units
DESCRIPT	Character	70	Description
STORED_DEC	Numeric	1	Decimals as Stored
REPORT_DEC	Numeric	1	Decimals Used in Reports
BASIN_DATA	Logical	1	Basin Data Available (Yes/No)?
PA8_DATA_A	Logical	1	PA8 Data Available (Yes/No)?
ON_CD	Logical	1	Data Included on CD (Yes/No)?
OBS_TABLE	Character	8	ADAM Observation Data Table
MEASURE_ID	Character	6	ADAM Measure ID
MEASURE_NO	Numeric	4	ADAM Measure Number
AIRS_PARAM	Character	5	AIRS Parameter Code
CAS_NUMBER	Character	20	CAS Number
MONTH_DATA	Logical	1	Monthly Data Available (Yes/No)?
ANN_DATA	Logical	1	Annual Data Available (Yes/No)?

YSNORMAL - Annual Criteria Data in Normal Form

Field Name	Type	Width	Description
LOCATION	Character	4	Location Code
YEAR	Numeric	4	Year
VARIABLE	Character	8	Variable Code
VALUE	Character	8	Data Value

YSXTABYR - Annual Criteria Data Cross Tabbed By Year

Field Name	Type	Width	Description
LOCATION	Character	4	Location Code
VARIABLE	Character	8	Variable Code
YR_1980	Character	8	Value for 1980
YR_1981	Character	8	Value for 1981
YR_1982	Character	8	Value for 1982
YR_1983	Character	8	Value for 1983
YR_1984	Character	8	Value for 1984
YR_1985	Character	8	Value for 1985
YR_1986	Character	8	Value for 1986
YR_1987	Character	8	Value for 1987
YR_1988	Character	8	Value for 1988
YR_1989	Character	8	Value for 1989
YR_1990	Character	8	Value for 1990
YR_1991	Character	8	Value for 1991
YR_1992	Character	8	Value for 1992
YR_1993	Character	8	Value for 1993
YR_1994	Character	8	Value for 1994
YR_1995	Character	8	Value for 1995
YR_1996	Character	8	Value for 1996
YR_1997	Character	8	Value for 1997
YR_1998	Character	8	Value for 1998
YR_1999	Character	8	Value for 1999
YR_2000	Character	8	Value for 2000
YR_2001	Character	8	Value for 2001
YR_2002	Character	8	Value for 2002
YR_2003	Character	8	Value for 2003
YR_2004	Character	8	Value for 2004
YR_2005	Character	8	Value for 2005
YR_2006	Character	8	Value for 2006
YR_2007	Character	8	Value for 2007
YR_2008	Character	8	Value for 2008

YMONTHLY - Monthly Criteria Data; YMONTHP8 – Monthly Ozone 8-hr Planning Area Data

Field Name	Type	Width	Description
VARIABLE	Character	8	Variable Code
LOCATION	Character	4	Location Code
YEAR	Numeric	4	Year
MTH_1	Character	8	January Value
MTH_2	Character	8	February Value
MTH_3	Character	8	March Value
MTH_4	Character	8	April Value
MTH_5	Character	8	May Value
MTH_6	Character	8	June Value
MTH_7	Character	8	July Value
MTH_8	Character	8	August Value
MTH_9	Character	8	September Value
MTH_10	Character	8	October Value
MTH_11	Character	8	November Value
MTH_12	Character	8	December Value
ANNUAL	Character	8	Annual Value
COMP_DAYS	Character	3	Number of Days with Complete Data
HI_COVER	Character	3	Hi Coverage
COMP_SITES	Character	3	Number of Sites with Complete Data